

ABSTRACT OF THE DISCLOSURE

A port including a lens for coupling one optical element with another optical element. The lens includes a focusing lens surface that has optical power and a flat lens surface that has little or no optical power. The lens is typically aspherical and couples high angle rays emitted from a source and also introduces aberrations such that the image formed on the receiving optical element is not reflected back to the source optical element. A point is imaged as a spot. The port couples light between optical elements by slightly defocusing the source without impeding the efficiency of the port.

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